



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Edwin Lyle Hudson, et al. :Date: September 11, 2006

Serial No.: 10/682,498 :Group No.: 2675

Filed: October 9, 2003 :Examiner: Donna Lui

Attorney Docket No.: eLcos-0304 :@(571)272-4920,273-8300(F)

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Office Response Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date September 11, 2006 in an envelope as "Express Mail Post Office to Addressee" Mailing Label Number EQ738104083US addressed to the: Commissioner of Patents and Trademarks, Washington, D. C. 20231.

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To the Commissioner of Patents and Trademarks:

AMENDMENT

Dear Sir:

In response to the Examiner's Action mailed on March 9, 2006, please amend the above referenced Application as set forth below. The Applicant hereby respectfully request a three-month extension to respond with an extension Fee of \$510.00 enclosed.

- I) Please amend the Specification as set forth below:
 - a) Please amend the paragraph starting from line 9 on page 1 to line 4 on page 2 as set forth below:

There are several prior art approaches taken in attempt to solve the problems caused by temperature variations in a microdisplay system including disclosures made by 1) US Patent 6,304,243, Kondo, *et al*, "Light Valve Device" October 16, 2001, column 28, line 62 through column 29, line 37, for a discussion of one approach to the implementation of cooling of a microdisplay; 2) US Patent 4,338,600, Leach, "Liquid Crystal Display System Having Temperature Compensation" July 6, 1982, and 3) US Patent 4,460,247, Hilsum *et al*, "Temperature Compensated Liquid Crystal Displays", July 17, 1984. Another disclosure was reported by Kurogane *et al* "Reflective AMLCD for Projection Displays" (D-LIA, Paper 5.3, Proceedings SID 1998) to use an electro-optic mode that does not exhibit noticeable thermal variation in the linear region of interest. However, the availability of the materials employed and special manufacture processes and mode of operations would significantly restrict the usefulness of the proposed microdisplay systems. Another is the approach taken in US Patent RE 37056, Wortel, *et al*, "Temperature Compensated Color LCD Projector" (February 20, 2001), where the inventors disclose a method to manufacture the cell in such a manner that the slopes of the electro-optic curves measured at different temperatures in the same liquid crystal device are quite close. A simple temperature measurement system is employed to provide information to a system that can adjust the column drive voltage and thus effect the compensation. However, this particular approach is of limited usefulness because the method requires a very specific approach to the design and manufacture of the cell.